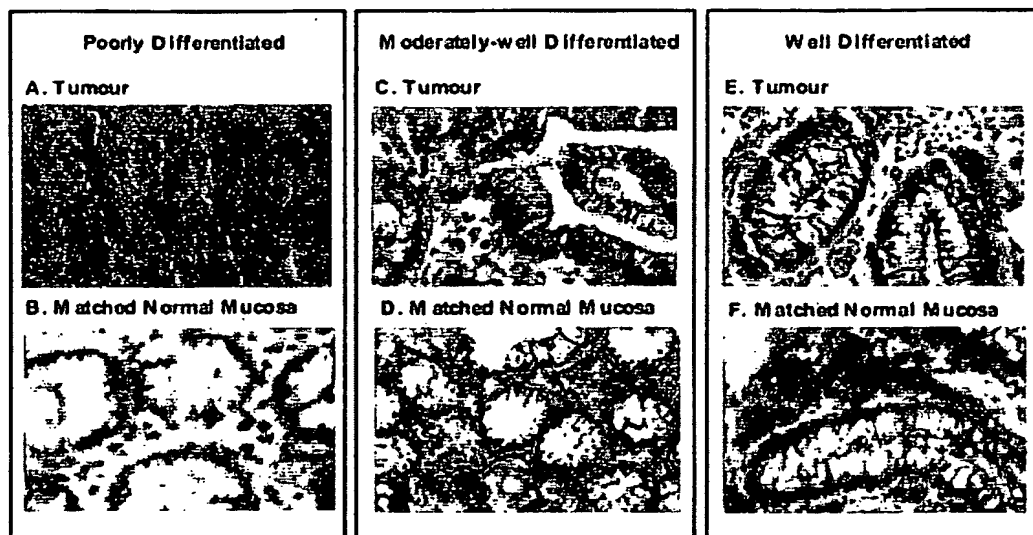


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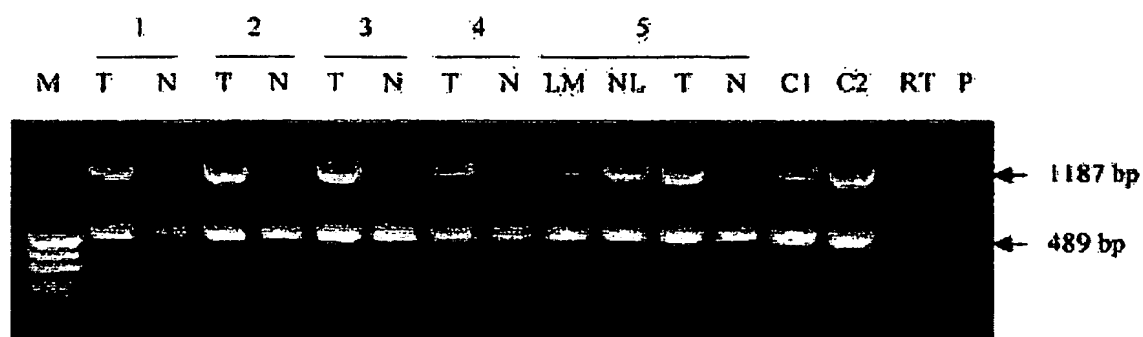
Figure 1



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Figure 2



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Figure 3

| | | |
|---------|-------------------|-------------------|
| | EphB4 antibody | EphB4 antibody |
| | H-200 (Santa Cruz | H-200 (Santa Cruz |
| | Biotechnology) | Biotechnology) |
| Control | Lot # B141 | Lot # F182 |

SW620

SW480

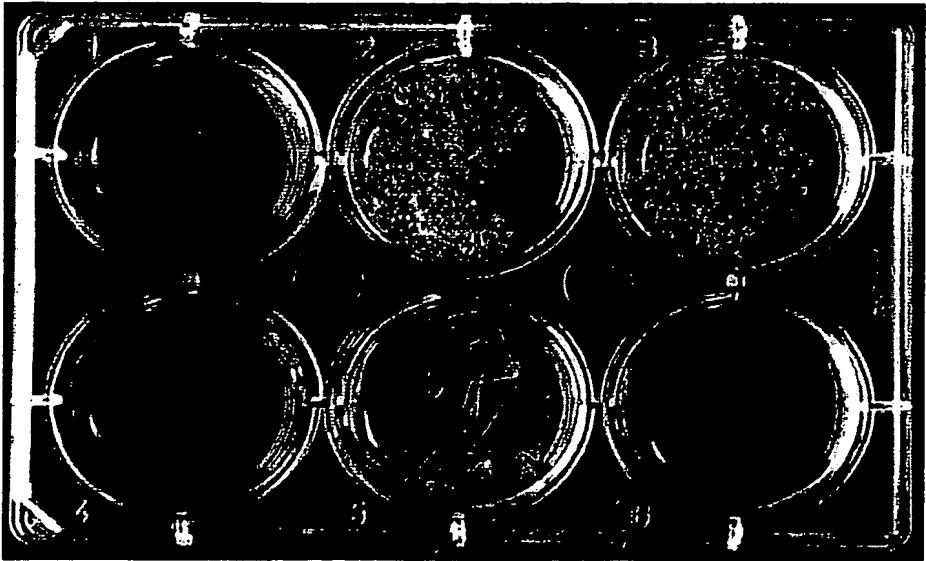
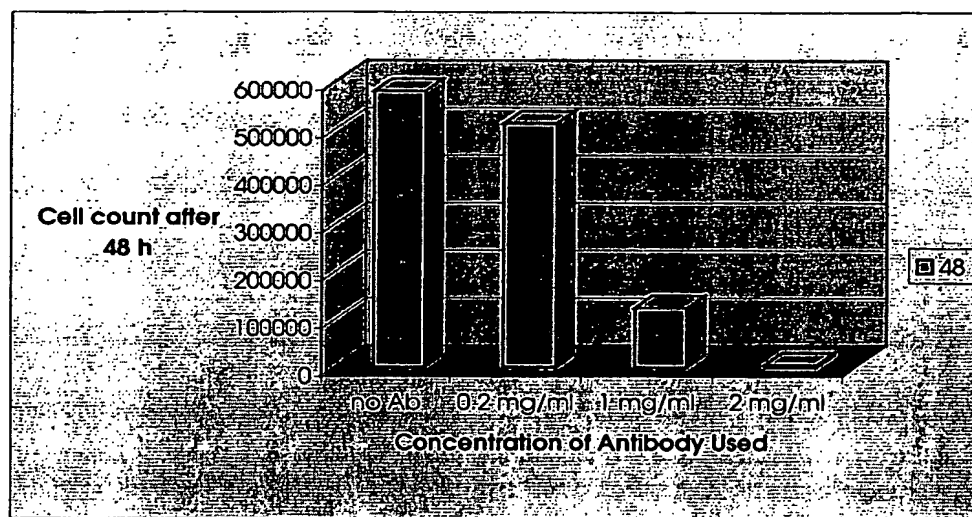
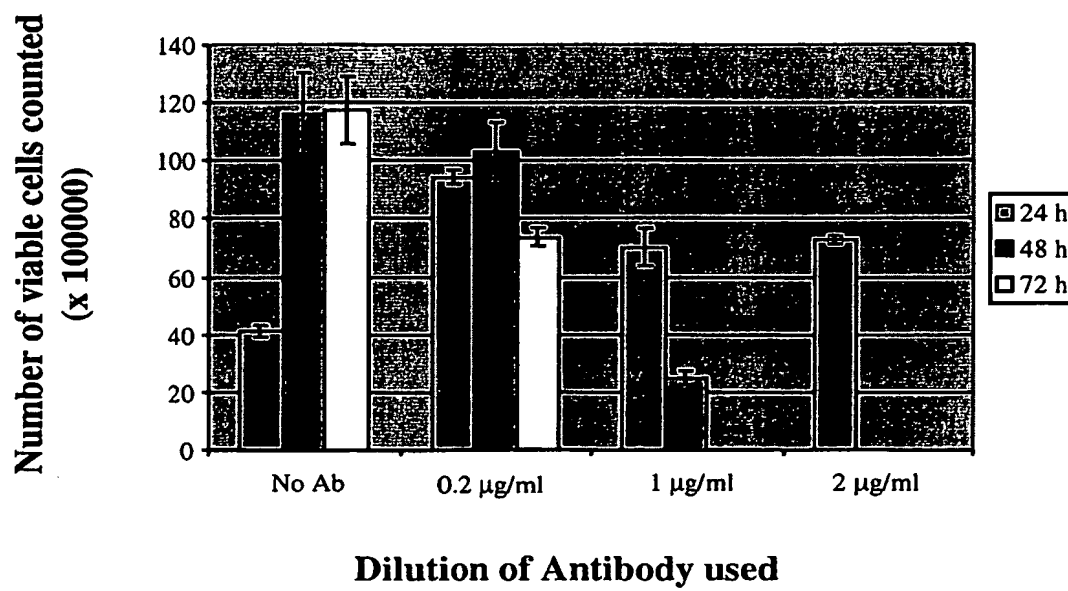


Figure 4



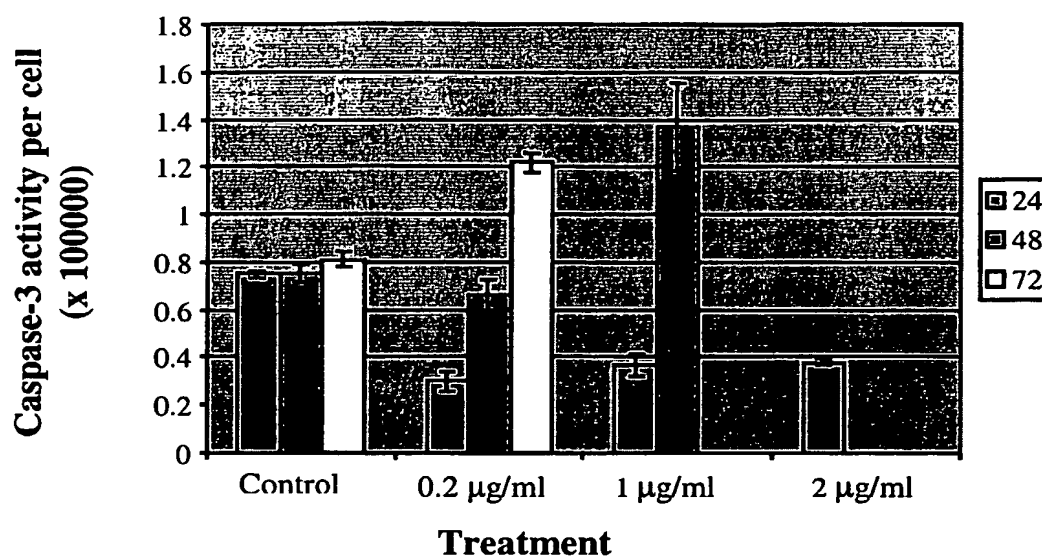
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Figure 5



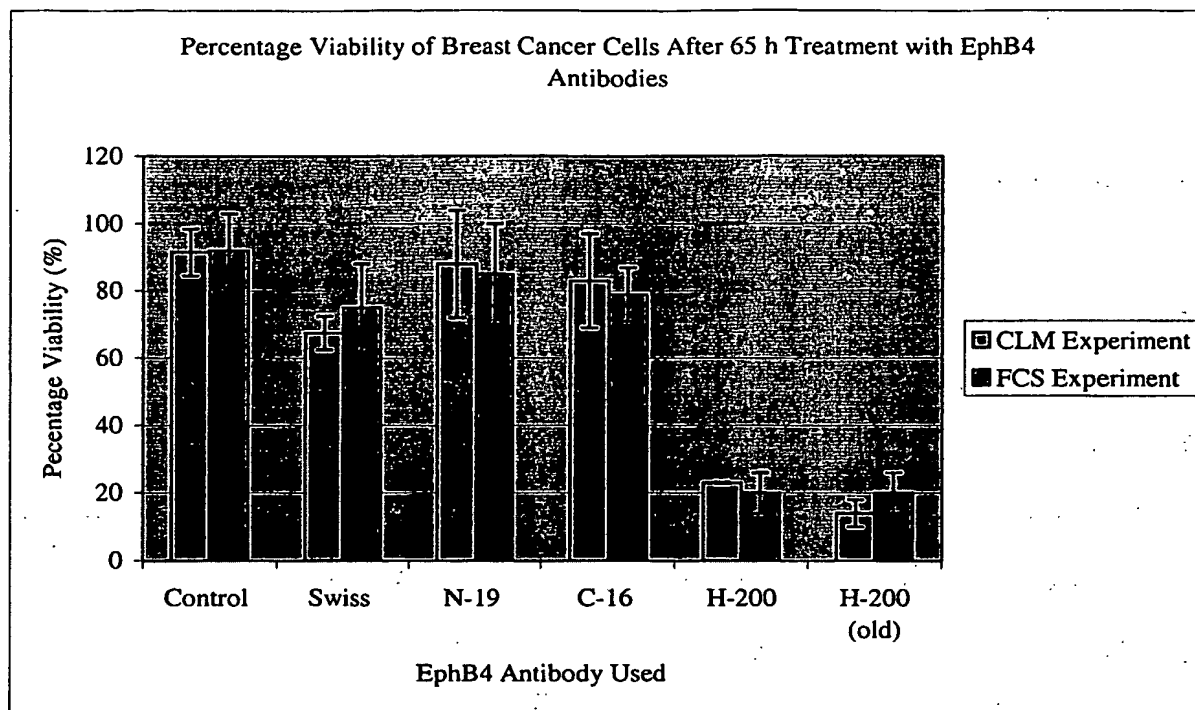
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Figure 6



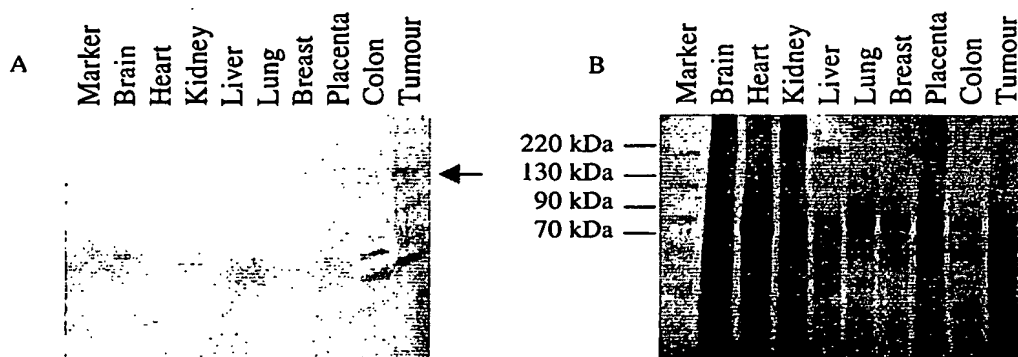
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Figure 7



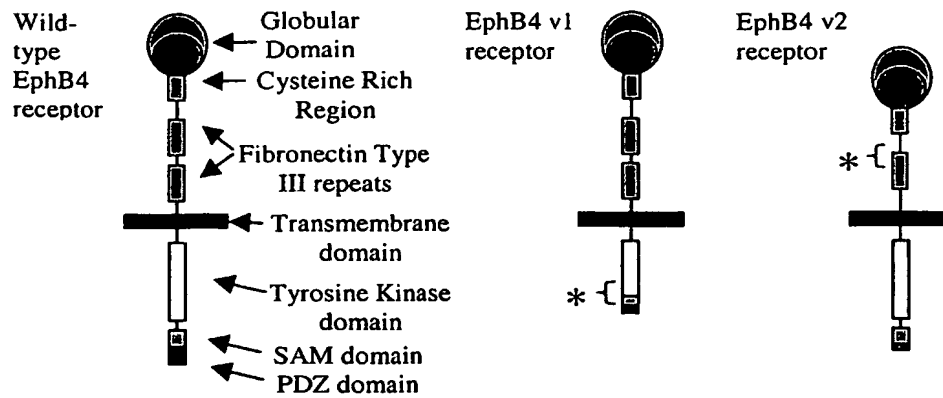
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Figure 8



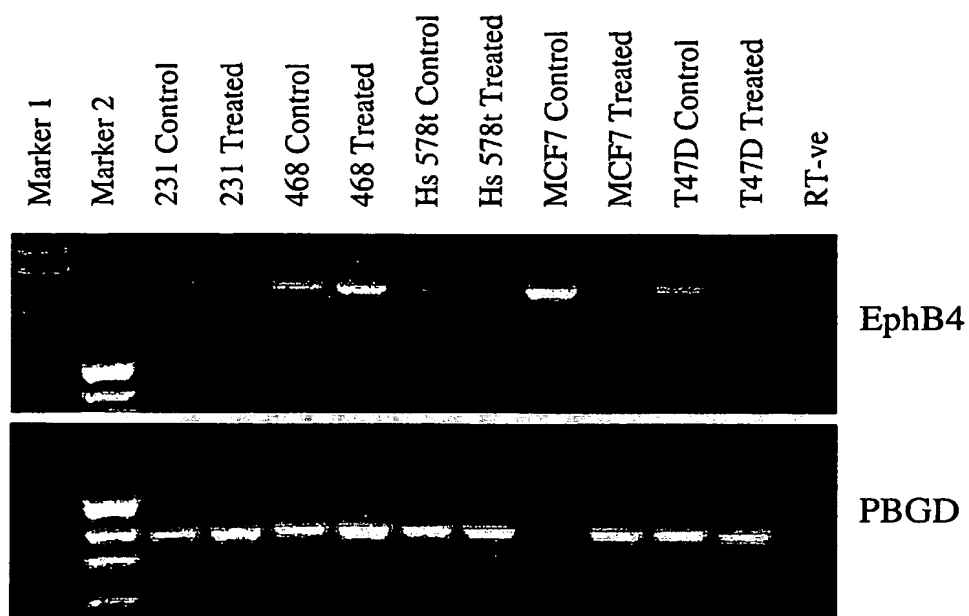
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Figure 9



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Figure 10



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Figure 11

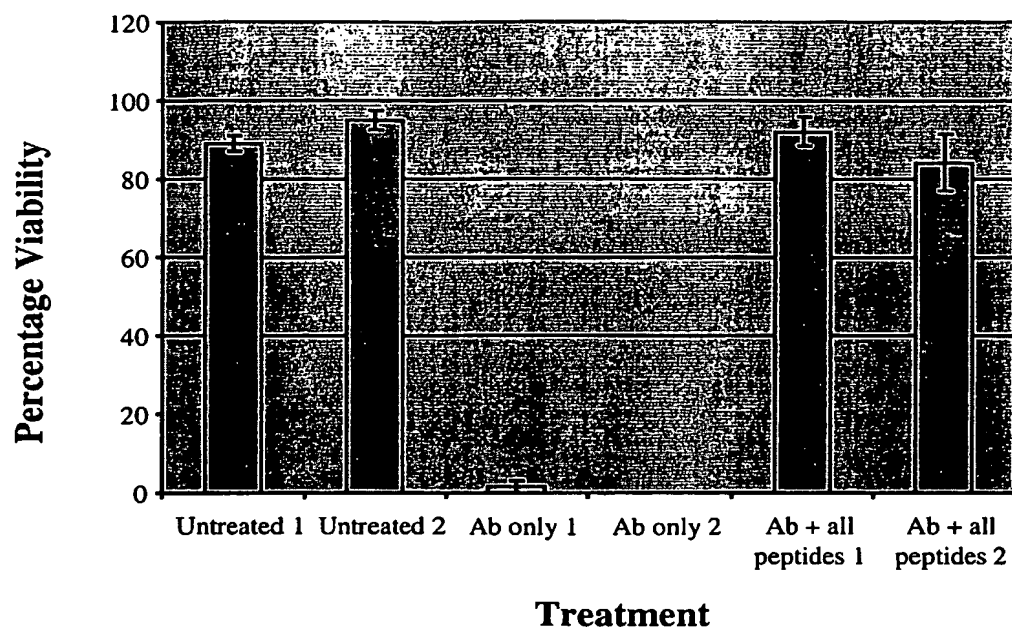
201 TVNLTRFPETVPRELVVPVAGSCVVDVAPAPGPSPLYCREDGQWAEQPVTGCS 254
TVNLTRFPETVPRELVVPVAGSCVV (SEQ ID NO:2- Peptide 1)
GSCVVDVAPAPGPSPLYCREDGQW (SEQ ID NO:3- Peptide 2)
EDGQWAEQPVTGCS-

255 CAPGFEEAAEGNTKCRACAQGTFKPLSGEGSCQPCPANSHTIGSAVCQCRVGY 308
CAPGFEEAEGN (SEQ ID NO:4- Peptide 3)
AAEGNTKCRACAQGTFKPLSGEGSC (SEQ ID NO:5- Peptide 4)
GEGSCQPCPANSHTIGSAVCQCR (SEQ ID NO: 6-
Peptide 5)
VCQCRVGY-

309 FRARTDPRGAPCTTPPSAPRSVVSRLNGSSLHLEWSAPLESGGREDLTALRCR 362
FRARTDPRGAPCTTPPS (SEQ ID NO:7- Peptide 6)

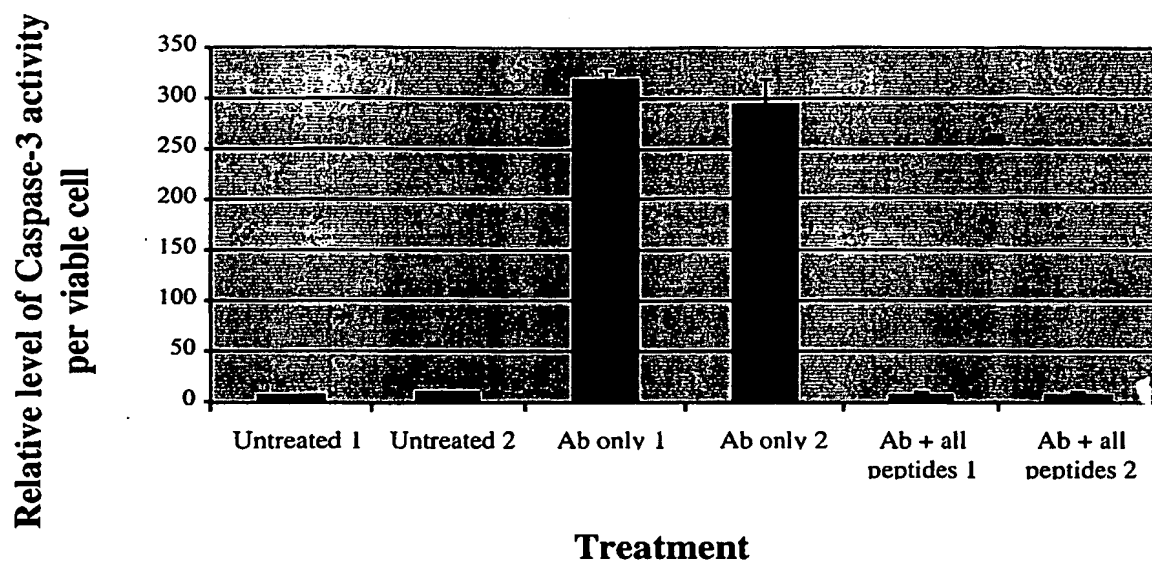
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Figure 12



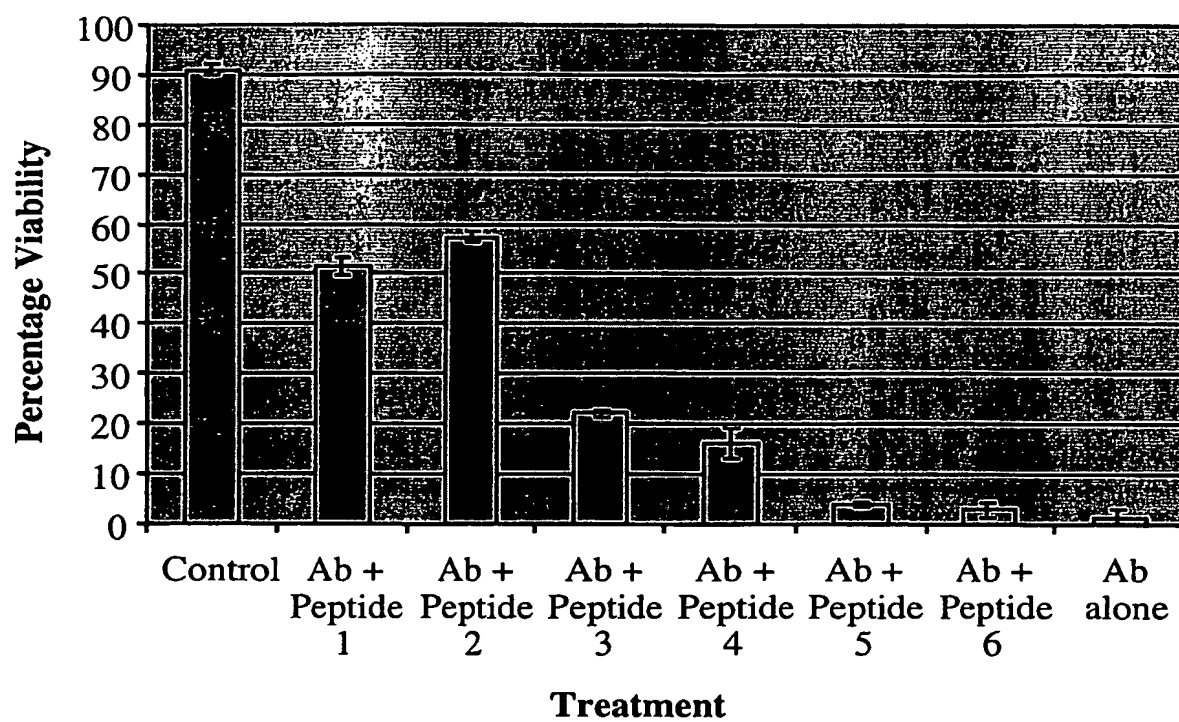
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Figure 13



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Figure 14



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Figure 15

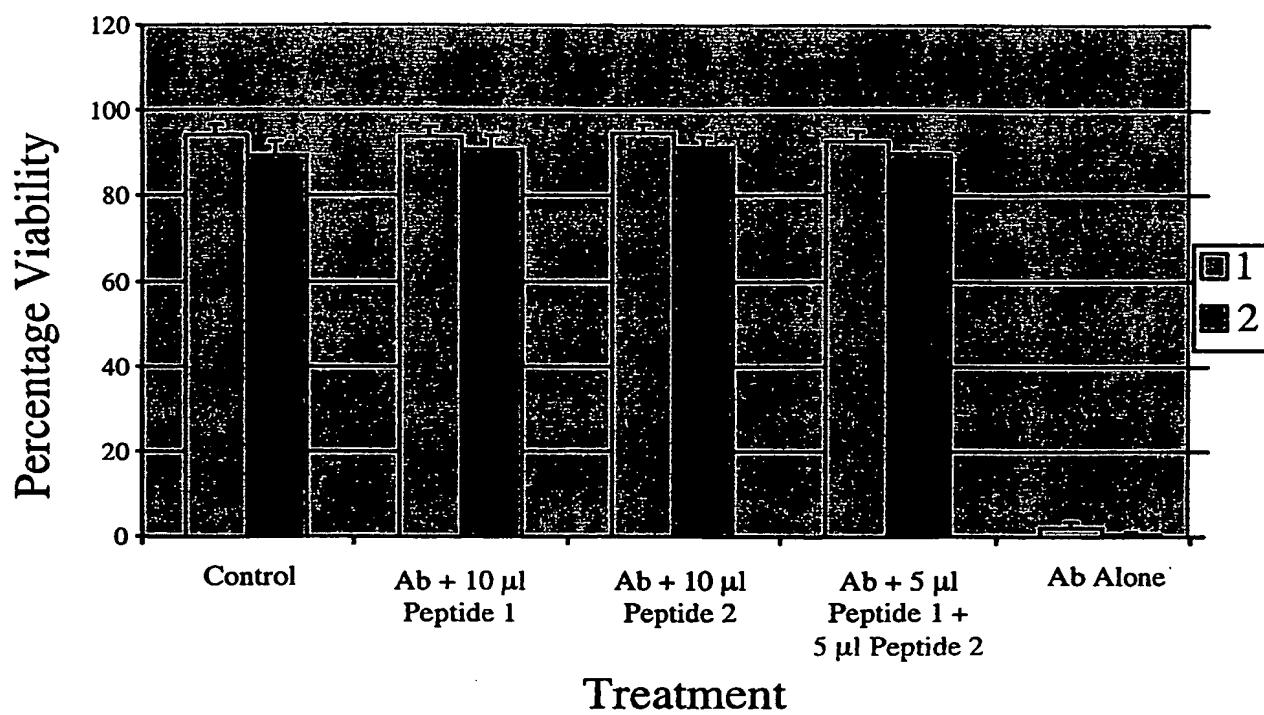


Figure 16

201 TVNLTRFPETVPREL VVPVAGSCVVD AVPA PGPSLYCREDGQWAEQPV TGCS 254

TVNLTRFPETVPREL VVPVAGSCVV (SEQ ID NO:2- Peptide 1)

GSCVVDA VPAPGPSLYCREDGQW (SEQ ID NO:3- Peptide 2)

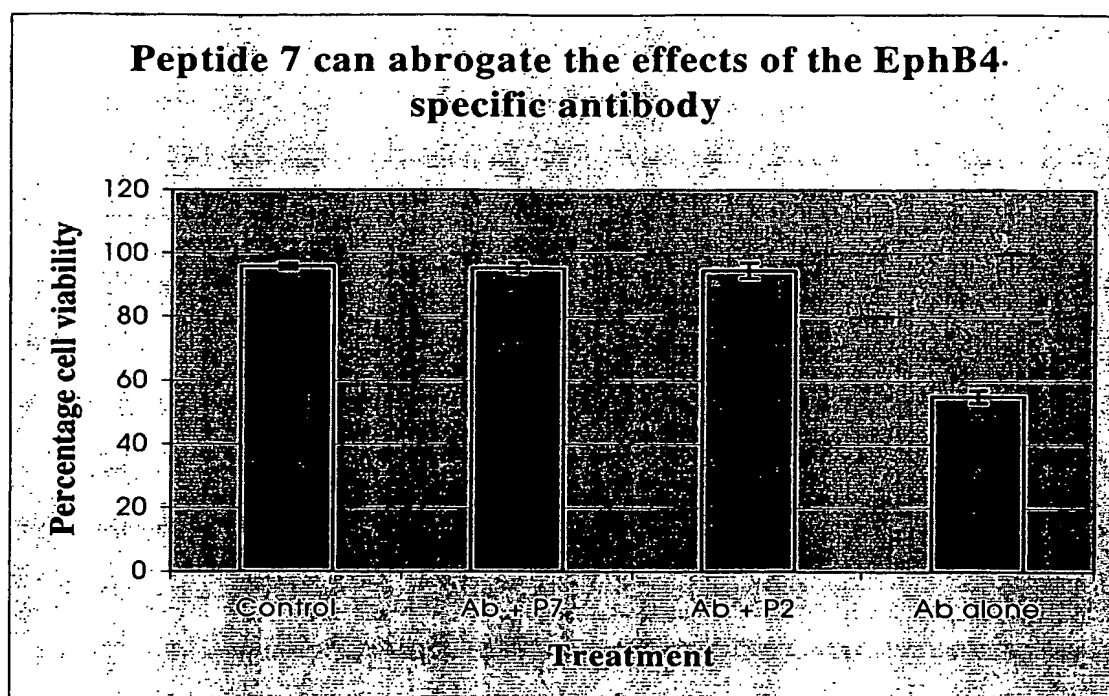
AGSCVVDA (SEQ ID NO:8- Peptide 7)

VAGSCVVDAV (SEQ ID NO:9- Peptide 8)

LVVPVAGSCVVDAVPA (SEQ ID NO:10- Peptide 9)

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Figure 17



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Figure 18

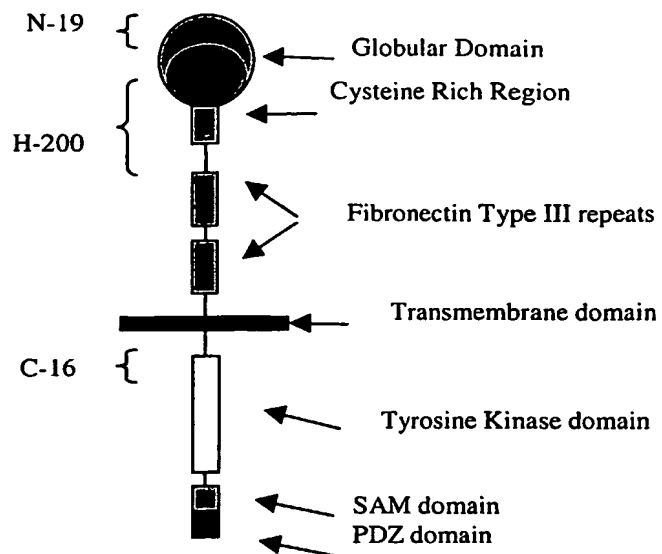
SEQ ID NO:1

Homo Sapiens Ephrin type-B receptor 4 Precursor (EphB4)

| | | | | | | |
|-----|------------|------------|-------------|------------|------------|------------|
| 1 | MELRVLLCWA | SLAAALEETL | LNTKLETADL | KWVTFPQVDG | WEELSGLDE | EQHSVRTYEV |
| 61 | CDVQRAPGQA | HWLRTGWVPR | RGAVHVIYATL | RFTMLECLSL | PRAGRCKET | FTVFYYESDA |
| 21 | DTATALTPAW | MENPYIKVDT | VAAEHLTRKR | PGAEATGKVN | VKTLRLGPLS | KAGFYLAQD |
| 181 | QGACMALLSL | HLFYKKCAQL | TVNLTRFPET | VPRELVPVA | GSCVVDAVPA | PGPSPSLYCR |
| 241 | EDGQWAEQPV | TGCSCAPGFE | AAEGNTKCRA | CAQGTFKPLS | GEGSCQPCPA | NSHSNTIGSA |
| 301 | VCQCRVGYFR | ARTDPRGAPC | TTPPSAPRSV | VSRLNGSSLH | LEWSAPLESG | GREDLTYALR |
| 361 | CRECRPGGSC | APCGGDLTFD | PGPRDLVEPW | VVVRGLRPDF | TYTFEVTALN | GVSSLATGPV |
| 421 | PFEPVNVITD | REVPPAVSDI | RVTRSSPSSL | SLAWAVPRAP | SGAVLDYEVK | HEKGAEGPS |
| 481 | SVRFLKTSN | RAELRGLKRG | ASYLVQVRAR | SEAGYGPFQ | EHHSQTQLDE | SEGWREQLAL |
| 541 | IAGTAVVGVV | LVLVVIVVAV | LCLRKQSNR | EAEYSKHKQ | YLIGHGTVY | IDPFTYEDPN |
| 601 | EAVREFAKEI | DVSIVKIEEV | IGAGEFGEVC | RGRLKAPGKK | ESCVAIKTLK | GGYTERQRRE |
| 661 | FLSEASIMGQ | FEHPNIIRLE | GVVTNSMPVM | ILTEFMENGA | LDSFLRLNDG | QFTVIQLVGM |
| 721 | LRGIASGMRY | LAEMSYVHRD | LAARNILVNS | NLVCKVSDFG | LSRFLEENSS | DPTYTSSLGG |
| 781 | KIPRWTAPE | AIAFRKFTSA | SDAWSYGIVM | WEVMSFGERP | YWDMSNQDVI | NAIEQDYRLP |
| 841 | PPDCPTSLH | QLMLDCWQKD | RNARPRFPQV | VSALDKMIRN | PASLKIVARE | GGASHPLLD |
| 901 | QRQPHYSAFG | SVGEWLRAIK | MGRYEEFAA | AGFGSFELVS | QISAEDLLRI | GVTLAGHQKK |
| 961 | ILASVQHMK | QAKPGTPGGT | GGPAPQY | | | |

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Figure 19



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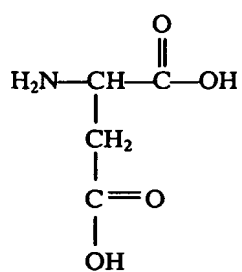
Figure 20

201 TVNLTRFPETVPRELVVPVAGSCVVDAVPAPGPSPSLYCREDGQWAEQPVTGCS 254

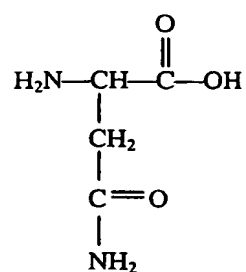
AGSCVVDAVPAPGPSPSLYCREDGQ (Peptide 11, SEQ IDNO:12)

|

AGSCVVNAVAPGPSPSLYCREDGQ (Peptide 10, SEQ ID NO:11)



Aspartate (D)



Asparagine (N)

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